

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Original) An apparatus that facilitates communication with an
2 integrated circuit device within a computing system, comprising:
3 the integrated circuit device;
4 a radio port coupled to the integrated circuit device, wherein the radio port
5 includes a transmitting mechanism that is configured to generate a radio signal in
6 response to a command from the integrated circuit device;
7 an antenna coupled to the radio port, wherein the antenna is configured to
8 transmit the radio signal generated by the transmitting mechanism, and wherein
9 the antenna is additionally configured to detect a response to the radio signal; and
10 wherein the radio port further includes a receiving mechanism, wherein the
11 receiving mechanism is configured to receive the response from the antenna and
12 pass the response to the integrated circuit device.

1 2. (Original) The apparatus of claim 1, wherein communication with the
2 integrated circuit device includes communication of one of, boundary-scan data,
3 initialization information, identification information, configuration information,
4 results of self-tests, and error reports.

1 3. (Original) The apparatus of claim 1, wherein the radio port is
2 implemented in a separate integrated circuit device.

1 4. (Original) The apparatus of claim 1, wherein the radio port is
2 incorporated into the integrated circuit device.

1 5. (Original) The apparatus of claim 4, wherein the radio port receives
2 operating power from the integrated circuit device's power supply.

1 6. (Original) The apparatus of claim 4, wherein the radio port receives
2 operating power from a battery.

1 7. (Original) The apparatus of claim 4, wherein the radio port receives
2 operating power from radio waves received on the antenna.

1 8. (Original) The apparatus of claim 4, wherein the antenna is incorporated
2 into the integrated circuit device.

1 9. (Original) The apparatus of claim 4, wherein the antenna is a trace on a
2 printed-wire board.

1 10. (Original) The apparatus of claim 4, wherein the antenna is a separate
2 wire.

1 11. (Original) The apparatus of claim 1, wherein the radio port includes a
2 collision detection mechanism that is configured to detect a collision when more
3 than one response is received simultaneously.

1 12. (Original) The apparatus of claim 11, wherein the radio port includes a
2 collision recovery mechanism that is configured to resolve collisions when more
3 than one response is received simultaneously.

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1 13. (Original) An apparatus that facilitates communication with an
2 integrated circuit device within a computing system, comprising:
3 the integrated circuit device;
4 a radio port coupled to the integrated circuit device;
5 an antenna coupled to the radio port;
6 wherein the antenna is configured to detect a radio signal and pass the
7 radio signal to the radio port;
8 wherein the radio port includes a receiving mechanism that is configured
9 to receive the radio signal from the antenna;
10 wherein the radio port includes a passing mechanism that is configured to
11 pass control commands to the integrated circuit device in response to the radio
12 signal; and
13 wherein the radio port further includes a transmitting mechanism that is
14 configured to transmit a response to the radio signal that is generated by the
15 integrated circuit device.

1 14. (Original) The apparatus of claim 13, wherein communication with the
2 integrated circuit device includes communication and monitoring of boundary-
3 scan data, self test data, power and temperature data, chip identification data, and
4 configuration data.

1 15. (Original) The apparatus of claim 13, wherein the radio port is
2 incorporated into the integrated circuit device.

1 16. (Original) The apparatus of claim 15, wherein the radio port receives
2 operating power from the integrated circuit device's power supply.

1 17. (Original) The apparatus of claim 15, wherein the radio port receives
2 operating power from a battery.

1 18. (Original) The apparatus of claim 15, wherein the radio port receives
2 operating power from radio waves received on the antenna.

1 19. (Original) The apparatus of claim 15, wherein the antenna is
2 incorporated into the integrated circuit device.

1 20-31 (Canceled).

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1 32. (Original) An apparatus that facilitates communication with an
2 integrated circuit device within a computing subsystem within a computing
3 system, wherein the computing subsystem is separated from other computing
4 subsystems within the computing system, comprising:
5 the computing subsystem including the integrated circuit device;
6 a radio port coupled to the integrated circuit device, wherein the radio port
7 includes a transmitting mechanism that is configured to generate a radio signal in
8 response to a command from the integrated circuit device;
9 an antenna coupled to the radio port external to the computing subsystem,
10 wherein the antenna is configured to transmit the radio signal generated by the
11 transmitting mechanism, and wherein the antenna is additionally configured to
12 detect a response to the radio signal; and
13 wherein the radio port further includes a receiving mechanism, wherein the
14 receiving mechanism is configured to receive the response from the antenna and
15 pass the response to the integrated circuit device.